

DAVID J. KENT

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RELEVANT SKILLS

- Cloud & Data Platform: Google Cloud Platform (BigQuery, Cloud Run, Cloud SQL, Cloud Storage, Dataflow, Pub/Sub, Healthcare API — HL7 & FHIR, Workflows, Cloud Build, IAM, Cloud Monitoring, Artifact Registry), Looker, Medallion (Bronze/Silver/Gold) Data Architecture, PostgreSQL, MySQL, SQL
- Healthcare Integration: HL7, FHIR, Corepoint Integration Engine (MLLP), PHI/HIPAA-compliant data handling, clinical & billing systems interoperability
- Full-Stack & Backend Development: Python, Flask, Gunicorn, Docker, JavaScript, HTML/CSS, RESTful APIs, Microsoft LDAP/Active Directory authentication, Git/GitHub, Kubernetes, CI/CD
- Applied AI/ML: Claude API & Claude Code (AI-assisted development), machine learning model development and training, workflow automation, anomaly detection & monitoring systems
- Systems & Infrastructure: Linux server administration, backup & storage management, C, C#, Java, Unity, Visual Basic, PICK/BASIC, TCL, Bash & Shell Scripting, Assembly Language
- Practices: Agile, Scrum, Object-Oriented Programming, Algorithm Design & Data Structures, Regex, Quality Assurance, Technical Documentation, Executive Stakeholder Communication

CERTIFICATIONS

- Corepoint Integration Engine Associate Certification — Corepoint HL7 Interface Engine

EDUCATION

University of Texas at San Antonio, Bachelor of Science in Computer Science

Nov 2018 – May 2021

WORK EXPERIENCE

Data Analyst — South Texas Radiology Group PA — San Antonio, TX

Jan 2025 –

Present

Functioning as Full-Stack Software Developer, Data Engineer & Systems Administrator

- Joined as the third member of a 3-person data team; earned a Corepoint Integration Specialist certification to back up the team's Data Engineer, then assumed full ownership of that role a year later after a staffing change — now operating simultaneously as data engineer, full-stack developer, and sysadmin under the official Data Analyst title.
- Own and administer all software-side infrastructure for the organization: 3 core databases, 2 Linux servers (production and development), backups, and storage, coordinating with IT only on physical hardware.
- Architected and are leading the company's migration of legacy PostgreSQL onto Google Cloud Platform (BigQuery, Cloud Storage, Dataflow, Pub/Sub) using a medallion (bronze/silver/gold) architecture, centralizing millions of records across two affiliated companies spanning multiple hospitals and imaging centers, all under HIPAA/PHI compliance.
- Authored the data centralization strategy and presented the organization's legacy architecture across numerous stakeholder sessions with a Google-affiliated engineering team, directing the rebuild to modern best practices.
- Designed and built a real-time HL7 data pipeline from scratch (Corepoint → MLLP → Pub/Sub → Google Healthcare API → BigQuery), processing roughly 2,000–3,000 critical and up to 100,000 total HL7 messages daily, replacing a legacy process that had no monitoring.
- Migrated the company's billing platform onto GCP with full historical backfill and eliminated organizational reliance on a legacy PostgreSQL warehouse and a third-party clinical data platform.

- Designed and built ATLAS, a Dockerized Flask/Gunicorn web application secured with Microsoft LDAP authentication and permission-based access control, serving as the central hub integrating dozens of independently containerized internal tools and their documentation.
- Built applied AI/ML tools including ARGUS, an autonomous daily data-quality and HL7 monitoring system with automated email/SMS alerting for failed jobs, anomalies, and server health; a model mapping procedure codes to specialties; and an AI system that grades radiologist reports for MIPS compliance — using both the Claude API and Claude Code in an AI-assisted development workflow.
- Serve as the organization's primary technical point of contact for data and reporting infrastructure, working directly with the CEO, CFO, Controller, President, and VP, with staff company-wide relying on the tools and data pipelines built.

Software Developer — Linebarger Goggan Blair & Sampson — San Antonio, TX
2024

Mar 2022 – Aug

- Managed weekly defects through a quality control center, ensuring timely completion and high standards.
- Led new client implementation projects, developing tailored programs to meet diverse client needs.
- Automated existing processes and designed new programs to streamline program creation.

Production Analyst — Linebarger Goggan Blair & Sampson — San Antonio, TX
2022

Jun 2021 – Mar

- Advanced from Client Support to Production Analyst within one month; pulled, processed, and organized data for multiple clients, and absorbed the responsibilities of four of six departing team members, including the team lead.

PERSONAL PROJECT

Crown's Call — Solo Developer — Personal Project (Unity, C#)

2021 – Present

- Solo-developing a procedurally generated fantasy survival/RPG game blending battle-royale PvP with optional cooperative PvE, in active development for 5 years.
- Designed and built a from-scratch crafting and "magical mixing" system spanning 2,000+ unique items and counting, alongside full RPG combat, a grid-based inventory system, complete UI, and procedural map generation.
- Currently architecting multiplayer networking and a cloud backend as the project's next phase.

WEBSITE

- <https://davidkentdeveloper.com/>